|                 |                                         |          |           |              |                 |         |                     |                |                    |              |                              |                     | A               | Application No. |                     |          |          |                      |            |                  |       |              |            | Applicant(s)    |          |         |          |              |                 |          |          |   |   |
|-----------------|-----------------------------------------|----------|-----------|--------------|-----------------|---------|---------------------|----------------|--------------------|--------------|------------------------------|---------------------|-----------------|-----------------|---------------------|----------|----------|----------------------|------------|------------------|-------|--------------|------------|-----------------|----------|---------|----------|--------------|-----------------|----------|----------|---|---|
| Index of Claims |                                         |          |           |              |                 |         |                     |                |                    |              | Application No. [0] 712, 99[ |                     |                 |                 |                     |          |          |                      |            |                  |       | Applicant(s) |            |                 |          |         | •        |              | •               |          |          |   |   |
|                 |                                         |          |           |              |                 |         |                     |                |                    |              |                              |                     |                 |                 |                     |          |          |                      |            | Meany            |       |              |            |                 |          |         |          |              |                 |          |          |   |   |
| •               |                                         |          |           |              |                 |         |                     |                |                    |              |                              |                     | E               | Examiner        |                     |          |          |                      |            |                  |       |              |            | t U             | nit      |         |          | Т            |                 |          |          |   |   |
|                 |                                         |          |           |              |                 |         |                     |                |                    |              |                              |                     |                 |                 |                     |          |          |                      |            |                  |       |              |            |                 |          |         |          | _            |                 |          |          |   |   |
|                 |                                         | (        | ii jii ki | l uji        | is tills        | HBH I   |                     |                | E                  | (22)         |                              |                     |                 |                 | Louis J. Casaregola |          |          |                      |            |                  |       |              |            |                 | 37       | 46      |          |              | ٠.              |          |          |   |   |
|                 |                                         |          |           |              |                 |         |                     |                |                    |              |                              |                     |                 |                 |                     |          |          |                      |            |                  |       |              |            |                 |          |         |          |              |                 |          |          |   |   |
|                 |                                         |          | Γ         |              |                 |         | 7                   | Γ              | Τ                  | <b>/T</b>    | hroi                         | iah i               | านท             | ner             | al)                 |          | ſ        | П                    |            |                  |       |              |            | $\Box$          |          |         |          |              |                 |          |          |   |   |
|                 | √ Rejected — (Through nume<br>Cancelled |          |           |              |                 |         |                     |                |                    |              | d                            | ۵.,                 | ı               |                 | N                   | No       | n-E      | lec                  | lected  -  |                  | Α     | Appeal       |            |                 |          |         |          |              |                 |          |          |   |   |
|                 |                                         |          | -         | <del> </del> |                 |         | ┨                   | $\vdash$       | ╁                  |              |                              |                     |                 |                 |                     | $\dashv$ | H        | $\dashv$             |            |                  |       |              |            | Н               |          |         |          |              | _               |          |          |   |   |
|                 | =                                       |          |           |              |                 | ed      |                     | ].             | .                  |              | R                            | estri               | cte             | d               |                     |          | - 1      | 1                    | Interferen |                  |       | nce          |            | o               | Objected |         |          |              |                 | •        |          |   |   |
|                 |                                         |          |           |              |                 | _       | L                   | $\perp$        |                    |              |                              |                     |                 |                 |                     | L        |          |                      |            |                  |       |              | Ш          |                 |          |         |          |              |                 |          |          |   |   |
|                 |                                         |          |           |              |                 |         |                     |                |                    | Claim        |                              |                     |                 |                 |                     | _        |          |                      |            |                  |       |              |            | 1               |          |         |          |              |                 | <u>.</u> |          |   |   |
|                 | Cla                                     | aim      | 9         | Date         |                 |         | <del></del>         |                | 1                  | CI           | aim_                         | 1                   |                 |                 | D.                  |          | -        | <del>         </del> |            | <del> </del> : - |       | aim          | $\vdash$   | Date            |          |         |          |              |                 | ļ        |          |   |   |
| •               |                                         | اعا      | 6         |              |                 | 1       | 11                  | ı              | 1                  |              | <del> </del>                 | <u>.</u> <u>a</u> . | 1               |                 |                     | - 1      |          |                      |            |                  | 1.    |              | Jai        |                 |          | İ       |          |              |                 |          | ı        |   |   |
|                 | Final                                   | Original | 05        | <b>†</b>     |                 |         | 11                  | -              | 1                  |              | Final                        | Original            | 1               |                 |                     |          | -        | 1                    |            |                  |       | Final        | Original   |                 |          | -       | .        | .]           |                 |          | 1        |   |   |
|                 | -                                       | Ō        | ys.       |              |                 |         |                     |                | 1                  |              | <u> </u>                     | Ō                   |                 |                 |                     |          | - 1      | - 1                  |            |                  |       | _            | 0          |                 |          |         |          | 1            |                 |          |          |   |   |
|                 |                                         | (1)      | %         |              |                 | 1       |                     | _              | 1                  |              | T .                          | 51                  | 1               |                 | $\neg$              | 寸        | 十        | 十                    | $\neg$     | 1                | 1:    |              | 101        | П               |          | 1       | $\top$   | 1            |                 |          |          |   |   |
|                 |                                         | 2        | I         |              |                 | $\perp$ |                     |                |                    | ]            |                              | 52                  |                 |                 |                     |          | $\Box$   | $\Box$               | $\perp$    | I                | ] ::  |              | 102        |                 |          |         | I        |              |                 |          |          |   |   |
|                 |                                         | 3        | Щ         |              | $\Box$          | 1       | $\Box$              | $\bot$         |                    |              |                              | 53                  | <u> </u>        | Ш               |                     | $\perp$  | $\perp$  | _                    | _ _        | 1                |       |              | 103        | Ш               | 4        | _       | 1        | 1            | $\Box$          |          | _        |   |   |
|                 |                                         | 4        | 1         |              | - -             | 4       | 1-1                 | 4              | 1                  |              | <u> </u>                     | 54                  | <del> </del>    | Ш               | $\vdash$            | 4        | 4        | 4                    | - -        | +                |       |              | 104        | -               | 4        | 4       | +-       | <del> </del> | $\sqcup$        |          |          |   |   |
|                 | <u> </u>                                | 5        | #         | Н            | $\vdash \vdash$ | +       | $\vdash$            | +              | +                  | -            | $\vdash$                     | 55<br>56            | ╁               | Н               | -                   | +        | $\dashv$ | +                    | +          | +                |       |              | 105<br>106 | $\vdash$        | +        | +       | +        | 1            | $\vdash$        | -        | $\dashv$ |   |   |
|                 |                                         | 6<br>7   | ╫         | Н            | $\vdash$        | +       | ++                  | +              | +                  | 1            | 1—                           | 57                  | ┰               | Н               | $\dashv$            | $\dashv$ | +        | +                    | +          | +                | :::   | $\vdash$     | 107        | ╟╌╢             |          | +       | ╁        | $\vdash$     | $\vdash$        | $\dashv$ | $\dashv$ |   |   |
|                 | -                                       | 8        | H         | H            | $\vdash \vdash$ | +       | +                   | +              | T                  | 1            |                              | 58                  | †               | Н               |                     | 十        | $\dashv$ | $\top$               | +          | $\top$           |       |              | 108        | $\vdash \vdash$ | $\dashv$ | 1       | 1        | 1            | $\vdash$        | $\dashv$ | $\dashv$ |   |   |
|                 |                                         | 9        | IT        |              | 1               | 1       | 17                  | $\dashv$       | T                  | 1            |                              | 59                  | T               |                 |                     | 寸        | 1        | $\neg$               |            |                  | 1     |              | 109        |                 | $\neg$   | 1       | 1        |              |                 | T        |          |   |   |
|                 |                                         | 0        |           |              |                 |         |                     |                | $oxed{\mathbb{L}}$ |              |                              | 60                  |                 |                 | $\Box$              |          |          | $\Box$               | I          | I                | ]     |              | 110        |                 |          | $\perp$ |          |              |                 |          |          |   |   |
| ĺ.              |                                         | 11       | П         |              | $\Box$ L        |         |                     | $\perp$        |                    | ]            |                              | 61                  |                 |                 |                     |          | $\perp$  |                      | ┸          | 1                |       |              | 111        | Ш               | • :      | 1_      | 1_       | _            |                 |          | $\Box$   |   |   |
|                 |                                         | 12       | #         | $\vdash$     |                 | - -     | 1-1                 | - -            | +                  | <b>.</b>     |                              | 62                  | ├               | Н               | $\dashv$            | -        | $\dashv$ | +                    | +          | +                |       |              | 112<br>113 | $\vdash$        |          | -       | +        | +-           | Н               | -        | $\dashv$ |   |   |
|                 |                                         | 13<br>14 | H         | Н            | +               | ╁       | $\vdash$            | ╁              | ╁                  | 1            | <u> </u>                     | 63<br>64            | ├               | Н               |                     | -        | +        | $\dashv$             | +          | ╀                |       |              | 114        | $\vdash$        | -        | ╁       | ╁╴       | ┼            | H               | $\dashv$ | $\dashv$ |   | • |
|                 | $\vdash$                                | 15       | Н         | $\vdash$     |                 | ╅       | +                   | +              | 十                  |              | _                            | 65                  | -               | Н               |                     | 1        | $\dashv$ | +                    | +          | ╁                |       |              | 115        | H               | -        | +       | +        | 1            | Н               | $\dashv$ | $\dashv$ |   |   |
|                 |                                         | 16       | IT        |              |                 | 1       |                     | ┪              | 1                  | 1            |                              | 66                  |                 |                 |                     |          |          |                      |            |                  |       |              | 116        |                 |          |         |          |              |                 |          |          |   |   |
|                 |                                         | 17       |           |              |                 | I       |                     |                | L                  |              |                              | 67                  |                 |                 |                     | $\Box$   |          |                      |            |                  |       |              | 117        |                 |          |         | L        |              | Ш               |          | $\Box$   |   |   |
|                 |                                         | (18)     | Ш         |              | -               | 1       | 1 1                 | _              | ╄                  |              |                              | 68                  | <u> </u>        | Н               |                     | -        | 4        | -                    | +          | ╀                |       |              | 118        |                 | -        | +       | ╀        | 1            | Н               | 4        |          |   |   |
|                 |                                         | 19<br>20 | H         | Щ            | -               |         | 1-1                 |                | ╂-                 | -            | <u> </u>                     | 69<br>70            | -               | Н               | $\dashv$            | +        | $\dashv$ |                      |            | ╀                |       |              | 119<br>120 | $\dashv$        | +        | +       | ╁╴       | ╀            | H               | $\dashv$ | $\dashv$ |   |   |
|                 | $\vdash$                                | 21       | Н         | $\vdash$     | +               | ╁       | ╁┼                  | +              | ╁                  | 1            | -                            | 71                  |                 | Н               | $\dashv$            | +        | +        | +                    | ╁          | +                | 1     |              | 121        | $\dashv$        | -        | ╅       | ╁        | ╁            | Н               | $\dashv$ | $\dashv$ |   |   |
|                 |                                         | 22       | Η.        | П            | $\dashv$        | ╁       | 11                  | +              | 1                  |              |                              | 72                  |                 | П               | 1                   | $\dashv$ | _        | 1                    | +          | 1                | 1:::  |              | 122        | $\Box$          | $\top$   | 1       | +        |              | П               | $\dashv$ | $\neg$   | • |   |
|                 |                                         | 23       | V         |              |                 |         |                     |                |                    |              |                              | 73                  |                 |                 |                     |          | $\Box$   |                      |            |                  |       |              | 123        |                 |          |         |          |              |                 |          |          |   |   |
|                 |                                         | 24       | _         |              |                 | $\perp$ |                     | $\perp$        | $\perp$            |              |                              | 74                  |                 | Ш               | _                   | 4        | 4        | $\perp$              | 1          | ]_               |       |              | 124        |                 | 4        | 4.      | 1        | _            | Ш               | 4        | ᆚ        |   |   |
|                 | L                                       | 25       | Ŀ         | Ш            |                 | $\bot$  | $oldsymbol{\sqcup}$ | _              | 1                  |              |                              | 75                  |                 | $\vdash$        | 4                   | 4        |          | -                    | 4          | 1                |       |              | 125        |                 | -        | 4-      | 4-       | <u> </u>     | $\vdash$        | -        | 4        |   |   |
|                 | _                                       | 26<br>27 | -         | Н            | $\vdash$        | +-      | +                   | +              | ┼                  |              |                              | 76<br>77            | Н               | $\dashv$        | +                   | +        | +        |                      | +          | +                | }     | $\vdash$     | 126<br>127 | -               | +        | ┿       | +        | $\vdash$     | $\vdash$        | +        | $\dashv$ |   |   |
|                 |                                         | 28       |           | Н            | -               | ╁       | <del>   </del>      | +              | ╁                  |              |                              | 78                  | Н               |                 | ┰                   | $\dashv$ | 十        | 十                    | +          | +-               |       |              | 128        | 1               | +        | +-      | †        | $\vdash$     | H               | +        | -        |   | , |
|                 |                                         | 29       | -         | Н            | $\dashv$        | +       |                     | _              | †                  |              | $\vdash$                     | 79                  |                 |                 | $\neg$              | 7        | 1        | $\top$               | +          | †                |       |              | 129        |                 | $\neg$   | +       | 1        |              | П               | $\dashv$ | $\neg$   |   | • |
|                 |                                         | 30       |           |              |                 | T       |                     |                |                    |              |                              | 80                  |                 |                 |                     | $\Box$   |          | $\perp$              |            |                  |       |              | 130        |                 |          |         | Γ        |              |                 |          |          |   |   |
|                 |                                         | 31       |           |              | $\perp$         |         | $\sqcup$            |                | L                  |              |                              | 81                  |                 |                 | _                   | 4        | 4        | 4                    | 1          | Ŀ                |       |              | 131        | _               | 4        | 1       | 1_       |              |                 | 4        | _        |   |   |
|                 |                                         | 32       | Ш         |              |                 | 4       | $\sqcup$            | 4              | 1_                 |              | <u> </u>                     | 82                  | Ш               | $\dashv$        | -                   | -        | 4        | 4                    | 4-         | -                |       | $\vdash$     | 132        | -               | -        | +       | ╂        | -            | Н               | -        | -        |   |   |
|                 |                                         | 33<br>34 |           |              |                 | ╫       | ╀                   |                | ╀                  |              | <b></b> -                    | 83<br>84            | Н               | -               | +                   | +        | ╁        | +                    | ╁          | ╁                |       | $\vdash$     | 133<br>134 | $\dashv$        | +        | ╀       | ╁        | $\vdash$     | H               | +        | -1       |   |   |
|                 |                                         | 35       | Н         | $\vdash$     |                 | ╁       | $\vdash$            | +-             | ╁                  |              |                              | 85                  | -               | $\vdash$        | $\dashv$            | +        | ╅        | +                    | ╁          | +                |       | $\vdash$     | 135        | $\dashv$        | ┰        | ╁╌      | 1-       |              | H               | +        | ⊣        |   |   |
|                 |                                         | 36       | Н         |              | 十               | †       | $\vdash$            | ╅              | 1-                 |              |                              | 86                  | Н               | $\dashv$        | 十                   | +        | +        | 十                    | 十          | T                |       |              | 136        | $\dashv$        | +        | +       | 1        | H            | H               | 十        | ╗        |   |   |
|                 |                                         | 37       | П         |              | $\neg$          | 1       |                     | ╅              | T                  |              |                              | 87                  |                 | $\exists$       |                     |          |          |                      |            |                  |       |              | 137        |                 |          |         |          |              |                 |          |          |   |   |
|                 |                                         | 38       |           |              |                 |         |                     | $\perp$        |                    |              |                              | 88                  |                 |                 | $\Box$              | $\Box$   | 1        | 1                    |            |                  |       |              | 138        | $\perp$         |          | $\perp$ |          |              |                 | _        | _        |   |   |
|                 |                                         | 39       |           | Ш            |                 | 1_      | $\sqcup$            | _              | ┺                  |              |                              | 89                  | Ш               | _               | 4                   | 4        | 4        | 4                    | _          | $\perp$          |       |              | 139        | 4               |          | 4-      | ┞-       | Ш            | $\vdash$        | - -      | 4        |   |   |
|                 |                                         | 40       | Н         | $\dashv$     | +               | +       | $\vdash \vdash$     | +              | 1                  |              |                              | 90                  | $\vdash \vdash$ | $\dashv$        | $\dashv$            | +        | +        | +                    | +-         | +-               |       |              | 140<br>141 | $\dashv$        | +        | +-      | +-       | Н            | $\vdash$        | +        | $\dashv$ |   |   |
|                 |                                         | 41       | $\vdash$  | -1           |                 | +       | $\vdash$            | <del>- -</del> | +                  |              |                              | 91<br>92            | Н               |                 | $\dashv$            | +        | +        | +                    | +          | +                |       | $\vdash$     | 141        | $\dashv$        | +        | +       | +        | Н            | $\vdash \vdash$ | +        | $\dashv$ |   |   |
|                 |                                         | 42       | $\vdash$  |              | +               | ╁╌      | -                   | +              | 1                  |              |                              | 93                  | $\vdash$        | _               | +                   | +        | +        | +                    | +          |                  |       | $\vdash$     | 143        | 十               | +        | +       | $\vdash$ | Н            |                 | +        | $\dashv$ |   |   |
|                 |                                         | 44       | Н         |              | 7               | T       | 1                   | $\top$         | 1                  |              |                              | 94                  | $\vdash$        |                 | 十                   | +        | +        | 十                    | 1          | $\top$           |       |              | 144        | $\dashv$        | $\top$   | $\top$  | T        | П            |                 | _        |          |   |   |
|                 |                                         | 45       |           | ╛            |                 |         |                     | 工              | L                  |              |                              | 95                  |                 | $\Box$          | $\Box$              | 1        | F        | $\perp$              | I          |                  |       |              | 145        | $\Box$          |          |         |          |              |                 | $\Box$   |          |   |   |
|                 |                                         | 46       |           | 口            | I               |         | $\Box$              | I              |                    |              |                              | 96                  |                 | コ               | $\perp$             | $\perp$  | $\bot$   | $\perp$              | $\perp$    | $\Box$           |       |              | 146        | $\bot$          | $\perp$  | 1       |          | Ц            | П               | $\perp$  | _]       |   |   |
|                 |                                         | 47       |           | _            | _               | 4_      | $\vdash$            | 1              | ــــ               |              |                              | 97                  |                 | _               | +                   | 4        | +        | 4                    | 4          | $\bot$           |       | <b>  </b>    | 147        | -               | +        | +       | -        | Ш            | $\dashv$        | 4        | 4        |   |   |
|                 |                                         | 48       |           | -            | -               | +-      | ⊢                   | - -            | -                  |              |                              | 98<br>99            | $\vdash \vdash$ | $\dashv$        | -                   | +        | +        | +                    | +          | +                |       | $\vdash$     | 148<br>149 | -               | +        | +       | +-       | $\vdash$     | $\vdash$        | +        | $\dashv$ |   |   |
|                 |                                         | 49<br>50 | -         | ┥            | +               | +       | ┝┼                  | +              | 1-                 |              |                              | 100                 | $\vdash \vdash$ | -1              | +                   | +        | +        | +                    | +          | H                |       | $\vdash$     | 150        | _               | +        | +-      | +        | Н            | $\vdash$        | +        | $\dashv$ |   |   |
|                 |                                         | V        | I         | 1            | i_              |         | ш.                  |                | 1                  | J: ` : : : I |                              | 100                 |                 |                 |                     |          |          |                      | _1_        |                  | ::::: |              | .00        | _ 4             |          |         |          |              |                 |          |          |   |   |